5^b C

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/524,426
Source:	PUTIO
Date Processed by STIC:	1/20/06
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ENTERED



PCT

RAW SEQUENCE LISTING DATE: 01/23/2006 PATENT APPLICATION: US/10/524,426 TIME: 09:14:26

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Output Set: N:\CRF4\01232006\J524426.raw

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3 <110> APPLICANT: Li, Limin
         Aghdasi, Bahman
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AND
             TUMORGENESIS: RAPR7 GENES
     9 <130> FILE REFERENCE: 70017.11USWO
    11 <140> CURRENT APPLICATION NUMBER: US 10/524,426
    12 <141> CURRENT FILING DATE: 2005-02-15
    14 <150> PRIOR APPLICATION NUMBER: PCT/US2003/026073
    15 <151> PRIOR FILING DATE: 2003-08-15
    17 <150> PRIOR APPLICATION NUMBER: US 60/404,311
    18 <151> PRIOR FILING DATE: 2002-08-15
     20 <160> NUMBER OF SEO ID NOS: 23
    22 <170> SOFTWARE: PatentIn version 3.3
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                                                                           120
    155 tgccctttgg caggttctct tactgaccat ccccacctgc cccacacatc ctcccctatg
                                                                           180
W--> 157 caccccaact ntgagcccct cctgctcagt aagtctgtag acttggtggg tatattggnc
                                                                           240
    159 tcattgagac tgcaggccct tggagggcag gctctgacct gcagtaagat gtgtgagtga
                                                                           300
W--> 161 tactcagcac acantaggtg gataaatacc cccacagtag gtgggtagtg agccctgtga
                                                                           360
                                                                           420
W--> 163 gtccactgta agncaccatc tacatgggca nagcctgctt taagcgtggg ttagggacac
                                                                           480
    165 aacagtetet teageaggge ttetggeace atetaeacaa gteeateete agetetteea
    167 ctcccgggtt ccctcctgga cctgtgtgac tctgaggaac ttggggaatt cctaacctcc
                                                                           600
    169 cctttcaact gagcccttgg ctcttggagt tagccacaac ctaactactc aggtccctcc
    171 aacaagggga ctgtgtctgt ggctggatga ctcatgcaca ctgctccatc ccgcaatctt
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    173 gggcgggact tgggctgggg aggatgccag ccagctcagg ctaggagctt gcatcctgtt
                                                                           720
                                                                           780
    175 gccccaaccc agccctacca gaacagagtg tactcagagc tccaggacaa aaatctggaa
                                                                           840
    177 acagagagcc ggctctcatt tggaccgaga tctgagtgat gaaaagagca ggcagaggaa
                                                                           900
    179 acaqcaaqtt caaaqttcct qaqqtqqqaa tqcqcttqac acaacqqaqa cctqaqaaqa
W--> 181 acacagcaaa ggccgtgtta catttgtctg ngactccagc ccccaaggat ctggtcagga
                                                                           960
W--> 183 cagacatngc gaggactcac ctggataatc cagagccatg gcccatnaca ngnntncttc
                                                                          1020
                                                                          1080
W--> 187 tttctttgng tagccccggc tgttttggaa ctnactntgt agaccaaact ggcctgngaa
                                                                          1140
W--> 189 ctcacagaga tectectgne tttgnetnee gagtacaagg gttaaaagee tgagecanta
                                                                          1200
W--> 191 ccactggcca ggctaactaa ggttcttaac tttttaagna ttatttttct ttcttatgta
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    193 tgtgtatatg ggggagggga tgcacaaggg catggggggg gggtccctgc agaagtcaga
                                                                          1320
    195 agaggtgcca gatccctggg agctggaatt aaagtcagtc atgaaacatc caagatggac
W--> 197 actgggnaac tgaacttggg teetetgega gaggagtaat ggtettaact getgageeat
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    1500
    201 tittgtatitig ggggtttitig tittgtetgtt tggttggttt gtttggtttt tettgagaca
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    203 gggtttctct gtatagccct ggctgtcctg gaactcactc tatagactag gctggcctcg
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				tctgcctccc				1680
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				ttgctcctta				300
				cacagaagga				360
				gcgaaaatat				420
				atcagcatca				480
				cgagaagaag				540
				ttcataccag				600
	242	gacccgtggc	gacaagaatg	ggagaaaggg	gtgcaggtac	ctgctggagc	ggaggccatt	660
	244	ccagagcctg	tggtgaggct	cctcccacca	ctgaaaggcc	ccccacgca	gatgtcccca	720
				gggtgcccat				780
	248	ctggatgaga	tcgatgcgta	ctggttggaa	cttctcaact	cggagctcaa	ggagatggag	840
				aacgttagag				900
	252	caccagaata	tggcacaggc	cattgagaca	caggaggggc	tgggcatcga	gtacgacgag	960
				ccgttcccct				1020
				tgtgcaccag				1080
				ctgtgccctg				1140
				gcccactaga				1200
	262	gccctgtgga	ttcctgaggt	cagcattggc	tgtccagaga	agatggagcc	cattaccaag	1260
				ccgctgggcc				1320
				catgccttcc				1380
	268	tttgaccgag	gcctggaaat	gcggactata	ttagctgaca	atgacgaggt	caagttcaag	1440
	270	tcactttgcc	aggagcacag	tgacgggggc	cctcggagtg	agcctacttc	tgagcctgtg	1500
				ggatctggaa				1560
				tgagctagtg				1620
				cttcatctac				1680
				gcccaagact				1740
				cctgaagctt				1800
				ggtgacaaga				1860
				tctacagatg				1920
				gggcaagaag				1980
				gaagaaagag				2040
				ctcgttcccc				2100
	292	gcacagtcgg	ttcagatcac	agcagaggac	atggccatga	gcgagtggtc	tttgaacagt	2160
				tccaggtctg				2220
				ggacccctcg				2280
	298	cgaggccgca	ctcgcctgcc	tgccaagaag	aaaccatccc	cgctgcagga	tgggcccagt	2340

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300 gcacggacca ctccagacaa gcaacccaag aaggcctggg cccaggatgg caaggggacg
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302 caaggaccac ccatgaggaa gccaccacgg aggacgtctt ctcatttgcc gtccaqccct
                                                                         2460
304 gcagctgggg actqtccagt cccaqcaaca ctqqaaaqcc ctccaccact qqcctccqaq
306 atactagaca agacagecee catggettee gaettaaatg tecaagtgee tggeeetaca
                                                                         2580
308 gtgagcccca aaccettggg caggeteegg ceacceegag agatgaaggt cagteggaaa
                                                                         2640
310 teteegggtg etagateega tgetgggaea ggaetaeegt etgetgtgge egagaggeea
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312 aaggtcagcc tgcattttga caccgaggct gacggctact tctctgatga ggagatgagc
                                                                         2760
314 gattetgagg tagaggeaga ggaeagtggg gtaeaaegag etteeaggga ggeaggggea
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330 Tyr Leu Leu Gln Asp Val Thr Met Ile Tyr Gln Leu Ile Thr Gly His
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334 Ser Leu Asn Leu Pro Pro Leu Cys His Ile Ser Thr Ile Asn His Thr
338 Leu Pro Ser Phe Ser Ser Ser Asp Thr Tyr Leu Pro Thr Leu Gln Ser
                            55
                                                 60
342 Ser Asn Lys Gln Thr Leu Lys Ala Thr Gly Pro Gly Tyr Pro Met Glu
                                            75
346 Asn Asp Gln Arg Lys Asn Thr Cys Ser Leu Val Arg Gln Glu Gly Phe
                    85
                                        90
350 Lys Gly Val Thr Leu His Ala Glu Ala Leu Pro Thr Glu Gly Ala Pro
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                                    105
354 Pro Pro Pro Pro His Leu Gln Asp Ser Glu Met Glu Glu Lys Arg Arg
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                                120
                                                     125
358 Lys Tyr Ser Ile Ser Ser Asp Asn Ser Asp Thr Thr Asp Gly His Val
                            135
362 Thr Ser Thr Ser Ala Ser Arg Cys Ser Lys Leu Pro Ser Ser Thr Lys
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366 Ser Gly Trp Pro Arg Gln Asn Glu Lys Lys Pro Ser Glu Val Phe Arg
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                    165
                                        170
370 Thr Asp Leu Ile Thr Ala Met Lys Ile Pro Asp Ser Tyr Gln Leu Ser
                                    185
                180
374 Pro Asp Asp Tyr Tyr Ile Leu Ala Asp Pro Trp Arg Gln Glu Trp Glu
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378 Lys Gly Val Gln Val Pro Ala Gly Ala Glu Ala Ile Pro Glu Pro Val
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                                                 220
382 Val Arg Leu Leu Pro Pro Leu Lys Gly Pro Pro Thr Gln Met Ser Pro
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                                            235
386 Asp Ser Pro Thr Leu Gly Glu Gly Ala His Pro Asp Trp Pro Gly Gly
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390 Ser Arg Tyr Asp Leu Asp Glu Ile Asp Ala Tyr Trp Leu Glu Leu Leu
394 Asn Ser Glu Leu Lys Glu Met Glu Lys Pro Glu Leu Asp Glu Leu Thr
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Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\01232006\J524426.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 3,4,191,239,314,373,391,931,968,1007,1011,1013,1014,1016 Seq#:1; N Pos. 1061,1062,1063,1064,1065,1089,1113,1117,1137,1159,1165,1168 Seq#:1; N Pos. 1198,1239,1387,1818

VERIFICATION SUMMARY

DATE: 01/23/2006

PATENT APPLICATION: US/10/524,426 TIME: 09:14:27

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\01232006\J524426.raw

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L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:960
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1020
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1080
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1140
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1200
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1380
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1380